

PI 543730 to 543740-continued

- PI 543738 **origin:** United States. **origin institute:** Arkansas Agr. Exp. Sta., Plant Science 115, Fayetteville, Arkansas 72701. **cultivar:** R line AR 3038. **pedigree:** TAM 2568/TAM bulk 46 (using a pollen mixture). **other id:** Ark. 1074. **remarks:** 3-dwarf line that restores pollen production to A1 cytoplasm. Grain has white and pearly pericarp, yellow endosperm, and straw colored glumes. Seed medium and thresh free of glumes. Panicle exertion above flag leaf (8cm), panicle type open. Plant averages 109cm in height. Flowers approx. 72 days after emergence. Plant sturdy and tillers lightly. Spring Annual. Breeding Material. Seed.
- PI 543739 **origin:** United States. **origin institute:** Arkansas Agr. Exp. Sta., Plant Science 115, Fayetteville, Arkansas 72701. **cultivar:** R line AR 3039. **pedigree:** TAM 2567/TAM bulk 47 (using a pollen mixture). **other id:** Ark. 1094. **remarks:** 3-dwarf line that restores pollen production to A1 cytoplasm. Grain has white and pearly pericarp, yellow endosperm, and mahogany glumes. Seed medium to large and thresh free of glumes. Panicle exertion above flag leaf (5cm), panicle type open. Plant averages 99cm in height. Flowers approx. 85 days after emergence. Plant sturdy and does not tiller. Annual. Breeding Material. Seed.
- PI 543740 **origin:** United States. **origin institute:** Arkansas Agr. Exp. Sta., Plant Science 115, Fayetteville, Arkansas 72701. **cultivar:** R line AR 3041. **pedigree:** S5 selection from SA 6649-7-2/TAM bulk 47 (using a pollen mixture). **other id:** Ark. 1073(white). **remarks:** 3-dwarf line that restores pollen production to A1 cytoplasm. Grain has white and pearly pericarp with black glumes. Seed small and do not thresh easily from glumes. Panicle above flag leaf (6cm), and panicle type open. Plant averages 162cm in height. Flowers approx. 75 days after emergence. Plant sturdy and tillers lightly. Annual. Breeding Material. Seed.

PI 543741. *Zea mays* L. subsp. *mays* POACEAE Corn

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